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LU 6148 (US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Shahram Mihan et al.

Serial No.: 10/583,204

Filed: June 16, 2006

**For: MONOCYCLOPENTADIENYL
COMPLEXES**

Examiner: Unknown

Art Unit: Unknown

**Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

September 22, 2006

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is being filed before the first Office action on the merits.

It is requested that the enclosed documents listed on the attached Information Disclosure Citation form PTO-1449 be considered by the Patent Examiner in connection with the above-identified application and be made of record therein. A copy of the International Search Report for this application is enclosed.

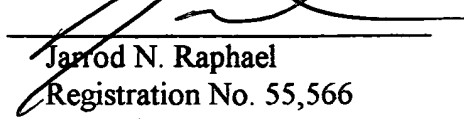
Independent consideration and acknowledgement of the enclosed documents are respectfully requested.

No payment is believed to be due; however, the Commissioner is hereby authorized to charge USPTO deposit account 08-2336 any payment due and to credit any overpayment thereto.

Translations of foreign documents are available upon request.

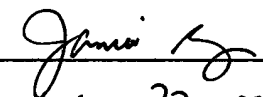
Respectfully submitted,

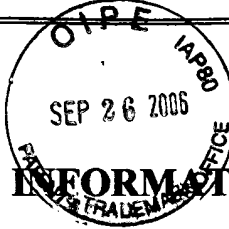
Shahram Mihan et al.

By: 
Jarrod N. Raphael
Registration No. 55,566
Agent for Applicants

Enclosures
Basell USA Inc.
912 Appleton Road
Elkton, MD 21921
Agent's Telephone No.: 410-996-1750
Agent's Fax No.: 410-996-1560
Agent's E-mail: jarrod.raaphael@basell.com

I hereby certify that this correspondence is being deposited with sufficient postage thereon with the United States Postal Service as first class mail on September 22, 2006, in an envelope addressed to:
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Commissioner for Patents
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Alexandria, VA 22313-1450


September 22, 2006
Date of Signature

 FORM PTO-1449 INFORMATION DISCLOSURE CITATION				Atty Docket LU 6148 (US)		Serial No. 10/583,204	
				Applicant Shahram Mihan et al.			
				Filing Date June 16, 2006		Group Art Unit Not Yet Assigned	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Issue Date	Name	Class	Sub-Class	Filing Date
	AA	3,242,150	03/22/66	Scoggin	260	88.2	
	AB	3,248,179	04/26/66	Norwood	23	285	
	AC	3,709,853	01/09/73	Karapinka	260	88.2D	
	AD	4,015,059	03/29/77	Karol	526	130	
	AE	5,808,122 (Counterpart to EP 742,046)	09/15/98	Herrmann et al.	556	58	
	AF	6,255,418 (Counterpart to DE 19710615)	07/03/01	Jolly et al.	526	160	
	AG	6,417,302 (Counterpart to WO 99/06414)	07/09/02	Bohnen	526	160	
	AH	6,437,161 (Counterpart to EP 1,212,333 & WO 01/12641)	08/20/02	Mihan et al.	556	11	
	AI	6,589,905 (Counterpart to WO 00/05277)	07/08/03	Fischer et al.	502	300	
	AJ	6,699,948 (Counterpart to EP 1,212,333 & WO 01/12641)	03/02/04	Mihan et al.	526	161	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation
	AK	19630580	02/05/98	DE			
	AL	19710615	09/17/98	DE			
	AM	742,046	11/13/96	EP			
	AN	1,212,333	06/12/02	EP			
	AO	91/09882	07/11/91	WO			
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AP		M. Enders et al., "8-Quinolylcyclopentadienyl, a Ligand with a Tailored Fit for Chelate Complexes," <u>Chem. Ber.</u> , Vol. 129, p. 459-463 (1996)				
	AR		R. Halterman, "Synthesis and Applications of Chiral Cyclopentadienylmetal Complexes," <u>Chem. Rev.</u> , Vol. 92(5), p. 965-994 (1992)				
	AS		S. Strauss, "The Search for Larger and More Weakly Coordinating Anions," <u>Chem. Rev.</u> , Vol. 93(3), p. 927-942 (1993)				
Examiner				Date Considered			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

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June 16, 2006Group Art Unit
Not Yet Assigned**INFORMATION DISCLOSURE CITATION****U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Issue Date	Name	Class	Sub-Class	Filing Date
	AA	6,756,505 (Counterpart to WO 00/35928)	06/29/05	Kristen et al.	556	7	
	AB	6,784,261 (Counterpart to WO 01/09148)	08/31/04	Schopf et al.	526	16	
	AC	6,787,498 (Counterpart to EP 1,212,333 & WO 01/12641)	09/07/04	Mihan et al.	502	120	
	AD	6,812,185 (Counterpart to WO 00/05277)	11/02/04	Fischer et al.	502	120	
	AE	6,838,563 (Counterpart to EP 1,212,333 & WO 01/12641)	01/04/05	Mihan et al.	546	10	
	AF	6,919,412 (Counterpart to EP 1,212,333 & WO 01/12641)	07/19/05	Mihan et al.	526	127	
	AG	6,924,248 (Counterpart to WO 01/96417)	08/02/05	Mihan et al.	502	132	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation
	AH	96/00243	01/04/96	WO			
	AI	96/13529	05/09/96	WO			
	AJ	97/04015	02/06/97	WO			
	AK	97/36937	10/09/97	WO			
	AL	98/22486	05/28/98	WO			

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AM		Kirk-Othmer, "Olefin Polymers (High Pressure Polyethylene), High Pressure (Low and Intermediate Density) Polyethylene," <u>Encyclopedia of Chemical Technology</u> , Vol. 16, p. 402-420 (1981)
	AN		V. Gibson et al., "Novel olefin polymerization catalysts based on iron and cobalt," <u>Chem. Commun.</u> , p. 849 (1998)
	AO		M. Brookhart et al., "Highly Active Iron and Cobalt Catalysts for the Polymerization of Ethylene," <u>J. Am. Chem. Soc.</u> , Vol. 120(16), p. 4049-4050 (1998)

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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Issue Date	Name	Class	Sub-Class	Filing Date
	AA	2003/0036658 (Counterpart to EP 1,212,333 & WO 01/12641)	02/20/03	Miham et al.	548	402	
	AB	2003/0036662 (Counterpart to EP 1,212,333 & WO 01/12641)	02/20/03	Mihan et al.	556	20	
	AC	2003/0055267 (Counterpart to EP 1,212,333 & WO 01/12641)	03/20/03	Mihan et al.	548	402	
	AD	2003/0176275 (Counterpart to WO 01/96417)	09/18/03	Fraaije et al.	502	103	
	AE	2003/0236164 (Counterpart to WO 00/05277)	12/25/03	Fischer et al.	502	439	
	AF	2004/0033890 (Counterpart to WO 01/96417)	02/19/04	Mihan et al.	502	113	

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		Document Number	Date	Country	Class	Sub-Class	Translation
	AG	98/271124	06/25/98	WO			
	AH	98/40419	09/17/98	WO			
	AI	99/06414	02/11/99	WO			
	AJ	00/05277	02/03/00	WO			
	AK	00/24787	05/04/00	WO			

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	AL		H. Brinzinger et al., "ansa-Metallocene derivatives - XVII. Racemic and <i>meso</i> diastereomers of group IV metallocene derivatives with symmetrically substituted, dimethylsilanediy-bridged ligand frameworks. Crystal structure of R,S-Me ₂ Si(3-t-Bu-5-MeC ₅ H ₂) ₂ ZrCl ₂ ," <u>Journal of Organometallic Chemistry</u> , Vol. 369, p. 359-370 (1989)
	AM		P. Jutzi et al., "Cyclopentadienyl compounds with nitrogen donors in the side-chain," <u>Journal of Organometallic Chemistry</u> 500, p. 175-185 (1995)

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	AA	2004/0214970 (Counterpart to WO 01/09148)	10/28/04	Schopf et al.	526	159	
	AB	2004/0242880 (Counterpart to WO 03/024982)	12/02/04	Mihan et al.	546	2	
	AC						
	AD						
	AE						
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	AG						
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	AI						
	AJ						

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		Document Number	Date	Country	Class	Sub-Class	Translation
	AK	00/31090	06/02/00	WO			
	AL	00/35928	06/22/00	WO			
	AM	01/09148	02/08/01	WO			
	AN	01/12641	02/22/01	WO			
	AO	01/41920	06/14/01	WO			

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AP		L. Fieser & M. Fieser, Chapter 33, "Heterocyclen," <u>Lehrbuch der Organischen Chemie</u> , 3 rd revised edition, Verlag Chemie, Weinheim (1957)
	AR		Lettau, <u>Chemie der Heterocyclen</u> , p. 17-27, 1 st edition, VEB, Weinheim (1979)
	AS		L. Brandsma, "Preparative Polar Organometallic Chemistry," Volume 2, p. 133-142

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	AK	01/92346	12/06/01	WO			
	AL	01/96417	12/20/01	WO			
	AM	03/024982	03/27/03	WO			
	AN						
	AO						

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	AP		N. Furukawa et al., "Preparation of Pridyl Grignard Reagents and Cross Coupling Reactions with Sulfoxides Bearing Azaheterocycles," <u>Tetrahedron Letters</u> , Vol. 28(47), p. 5845-5848 (1987)
	AR		<u>Chemical Reviews</u> , Volume 100(4), p. 1167-2476 (2000)
	AS		J. Ewen et al., "Expanding the Scope of Metallocene Catalysis: Beyond Indenyl and Fluorenyl Derivatives," <u>Springer Verlag</u> , p. 150-169 (1999)

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	AN						
	AO						

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AP		"D. 7.3.5. Reaktionen mit metallorganischen Verbindungen," <u>Organikum</u> , 18 th edition, p. 499 (1990)
	AR		S. Torkelson et al., "Silylation of 1,3-Dicarbonyl Compounds with Hexamethyldisilazane and Imidazole," <u>Synthesis</u> , Vol. 11, p. 722-724 (1976)
	AS		

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